



Indiana  
Department of Education

# Process Standards for Mathematics

Indiana's Academic  
Standards

Overview for PD Leaders

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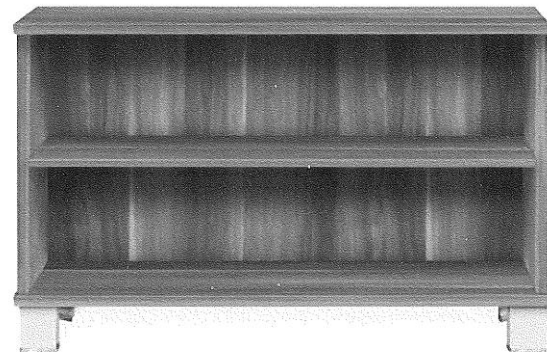
1. Become familiar with the Process Standards for Mathematics
2. Work the task.
3. View the video.
4. Debrief the video.

# Become familiar with the Process Standards

- Read the brief descriptions of the 8 Process Standards for Mathematics.
- Underline key words for each standards.
- In small groups, share your thoughts or questions about each Process Standard. Be prepared to share your understanding of the Process Standards for Mathematics with the rest of the participants.

# Work the task

*My mom loves gummy bears. So she asked me to go to the store last night. She said, "Will you please get me some gummy bears?" I said, "Sure, Mom." She said, "I want 5 gummy bears." When I got home she said, "Thanks for getting me the bears. But now I want you to put them away. I want you to put them on the two shelves in the kitchen." I want you to find all the different ways you can put the gummy bears on the shelves. Then I want you to write an equation for each of the ways you find.*



# IAS-M Connection

K.CA.2 Solve real-world problems that involve addition and subtraction within 10 (e.g., by using drawing to represent the problem).

# Expectations for Viewing the Video

- Assume there are many things you do not know about the classroom and the students.
- Assume good intent and expertise on part of the teacher.
- Keep focused on how the students are engaging in the task.

# View the Video



During the video, when you see the light bulb appear, it is an indication you should **pay special attention** to the students' and teacher's actions.

Record what you see happening on the Video Analysis Matrix.

# Debrief the Video

- For each row on your Video Analysis Recording Sheet, discuss what you noticed while you watched the video in your small group.
- Then determine which Process Standard(s) for Mathematics you believe was best exhibited in the classroom during this time period.



# Additional Questions

1. In PS.5, the emphasis is on the student using appropriate tools strategically. In this video, the teacher chose the tools for the students to use. Do you think this was appropriate for kindergarten?
2. How does the task chosen by the teacher foster the MPSs?
3. How does the teacher facilitate (prompt) the Process Standard(s) in this video?
4. What type of classroom environment supports the Process Standards?